

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/074604 A3

(51) International Patent Classification⁷: **G01N 33/53**,
33/573, C07K 16/00

(21) International Application Number:
PCT/US2005/003211

(22) International Filing Date: 3 February 2005 (03.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/541,583 3 February 2004 (03.02.2004) US

(71) Applicant (*for all designated States except US*): **DI-ADEXUS, INC.** [US/US]; 343 Oyster Point Boulevard, South San Francisco, CA 94080 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **WOLFERT, Robert, L.** [US/US]; 3582 Arbutus Avenue, Palo Alto, CA 94303 (US). **KIM, Nam** [CA/US]; 1187 Doyle Circle, Santa Clara, CA 95054 (US). **DUAN, Xiaozhu** [US/US]; 208 Galway Bay, Alameda, CA 94502 (US).

(74) Agents: **LICATA, Jane, Massey et al.**; Licata & Tyrrell P.C., 66 E. Main Street, Marlton, NJ 08053 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
29 December 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF DETECTING Lp-PLA2 ACTIVITY

(57) Abstract: This invention relates to a method for measuring enzymatically active Lipoprotein-associated Phospholipase A2 (Lp-PLA2) in a sample. Further, this invention relates to a Hybrid Immunocapture method for measuring enzymatically active Lp-PLA2 in a sample. Specifically, this invention relates to a Hybrid Immunocapture method for measuring enzymatically active Lp-PLA2 in a sample utilizing an enzymatically active Lp-PLA2 standard. In addition, this invention relates to a kit for measuring enzymatically active Lp-PLA2 in a sample. Specifically, this invention relates to a kit for measuring enzymatically active Lp-PLA2 in a sample containing an enzymatically active Lp-PLA2 standard.



WO 2005/074604 A3